

## LIST OF SEQUENCES

**SEQ ID NO : 1 – EXB-NROA0576 :**

5 *Homology with NM\_003576 : Homo sapiens serine/threonine kinase 24 (STE20 homolog, yeast) (STK24), mRNA. 4/2003*

1 GGTGTGGAGG TGTTCAAAGG CATTGACAAT CGGACTCAGA AAGTAGTCGC  
 10 51 CATAAAAATC ATTGACCTGG AGGAGGCAGA AGATGAGATC GAGGACATTC  
 101 AGCAGGAAAT CACAGTGCTG AGTCAGTGTG ACAGTCCCTA CGTAACCAAA  
 151 TATTACGGAT CCTACCTGAA GGACACTAAA TTGTGGATAA T

**SEQ ID NO :2 - Cluster NROA\_c584\_1 :**

*Homology with CB424646 : 598918 MARC 6BOV Bos taurus cDNA 3', mRNA sequence. 3/2003*

20 1 TATCTGCAGA ATTTCCCCTT GAGAAGCGTT ATGGGGTGCA GGTAAGTTAT  
 51 TACACAAGAG AAAGAAGTTT TCTTACTAAC AGCAAGATTA ATGGCACAAT  
 25 101 TCAACCAAAA CTCATATACA TTTTACTGCT TAATTTACAT ATTATTTTGG  
 151 TGGAAAAAAT AGTATTCTTT ATTCTTTCAG TTTCTTTATG CAAAAATACA  
 201 CTTCTACAGG GACATCACTT AGATGTTATG CAAACCTCCC CCCC  
 30

**SEQ ID NO : 3 – EXB-NROA1108 :**

*Homology with NM\_138402 : Homo sapiens hypothetical protein BC004921 (LOC93349), mRNA. 4/2003*

35 1 GAGACATTTG GCCAAAAGAG GAATTTCCAG GACACCAACA ACATCCATTA  
 51 TTCCATTATT CATTTGTTTC CTGAAGAGCA AACACTTCCT TGAAATTCTT  
 40 101 CTCAAATTCT GCCTCCAGTC TAAGCCCCAT TTGGCCAAAA TCATTGAACT  
 151 TGAAAGATGC CCTGTGGTTC TGAAAGATGA GACGCATGTC CCACACAAAC  
 201 CCTTCCACAT TGGAGTAGCC CTGCTCATTG AGCCTCTTCT TGATCTTGTC  
 45 251 CAGCCACATG GGCTCCTTGA GGTTTTTAGA AGCCTCTTTC ATATAATAAT  
 301 AATAGGGAAT CCTCACTATA ACGCT

50

**SEQ ID NO: 4 - Cluster NROA\_c450\_1 :**

*No homology*

55 1 AAGCGTTATG CAGGTAGGCC GACAAGGCGA AGTGGGATGC CGGAGAGCGG

51 CCGAGTTATT GCTCCGAGGA GACCACGTTC ACCGGTTACT ATGGCGACCG  
 101 CCCCATCCCG GATCACTATC AGCCGTTTAC CGCCGATGAG GCGACGTGGT  
 5 151 TCCAGCTCTG GGAGACGGTG AGCGAGGGCA CTCCTACGTC GCCGCCCTTC  
 201 GCGACGATTG AGGAACTGGC AGCCTACCTC GCCGAGTGGG GCGACTTCTG  
 251 TGATCACAGG CGCGCCGTCG AGTCCATGGA CGCGCGCGAG ATTGAGCGCC  
 10 301 TCCTGACGCT GAATGACCGG CACTAGTTCA AGGTGCGGCT GGGGGCAGCA  
 351 GCGCGCCTAA GCTTTCTGCA AGACTGGCTG GGCGCCCAGC ATGATGGTCC  
 15 401 GCGGCGGCGA GATCCTGACC AACCCTGGGG ACATGGTGTC GTCGTGACCC  
 451 TCGCCTAGCT CTCTCACACA CCTAGGAGGA AGAGATGACC ACCCCCAACA  
 501 TTCGCGGCCA CGAGACCGAA GCCAAGGCC GCAAGGCGGC GATGAAGTGG  
 20 551 TTCACCTTCA CGGACGGCAC CAAGCCTGTC GAGGGCGTCC ACTTCCACAT  
 601 CAAGCAGAAC CACTTCGGGC TCTGGACCTT CCGGGAGGGC CCGGCTCCGA  
 25 651 AGTCCGCCGG ACCCCGCATC ACTCATAACG CTTCTCAA

**SEQ ID NO: 5 – EXB-NROB1323 :**

30 *Homology with NM\_000982 : Homo sapiens ribosomal protein L21 (RPL21), mRNA.*  
 5/2003

1 AGAAGCGTTA TTGCTGATAC CCGCTACATG TTCTCCAGGC CTTTCAGAAA  
 51 ACATGGAGTT GTTCCTTTGG CCACATACAT GCGAATCTAC AGGAAGGGTG  
 35 101 ATATTGTAGA TATCAAGGGA ATGGGTACTG TTCAAAAAGG AATGCCCCAC  
 151 AAATGTTACC ATGGCAAAAC TGGAAGAGTC TATAATGTCA CCCAGCATGC  
 40 201 TGTTGGCATC ATTGTAAACA AACAAGTTAA GGGCAAGATT CTTGCCAAGA  
 251 GAATTAATGT GCGTATCGAG CATATTAAGC ACTCTAAGAG CCGAGATAGC  
 301 TTCCTGAAAC GTGTGAAGGA AAATGATCAG AAAAAGAGGG AAGCCAAAGA  
 45 351 GAAAGGGACT TGGGGTTAAC ACC

**SEQ ID NO :6 – EXB-NROA0588 :**

50 *Homology with AW325879 : 17199 MARC 1BOV Bos taurus cDNA 5', mRNA sequence.*  
 4/2001

1 GGGCGGAGGT CACCCTGGGG ATCCTCCAGG GCCAGGCCCT GGCACAACCT  
 55 51 GTCTCCATCA CACAGATGGG CCGTCGCCTG GTCGTGGCTC TCAGGAGTCA  
 101 GACCGGAAAA AGCCAGCCCT GGGGCAACCA GGAGACCGA GGTGATGAGC

151 AGGACAGCCC AGGAGGTCAT GTTGAGGCAG CTGAAAGGTC TGTGCAAGTC  
 201 AATCATGAAG AAATTTCTCC GTACCATCAC CTCCC

5

**SEQ ID NO :7 – EXB-NROB1540 :**

*Homology with D37952 : Bovine NB10 mRNA for MHC class II (BoLA-DQB), partial cds. 2/1999*

10

1 CTTGTGTAGG CAGAGGTTCC AGGGTCAGTG GAGGAAGCAG CATCACAGCC  
 51 AGATCCATGG TTGGGGGATG GCCACGGGAA ATGACTTGGT GACTGACTCT  
 101 GATCTCAGAG TGGGACAGGC TGACAGGCAT CTGGGAATTC CGGGCAAGGT  
 151 CAGGCACGTA TTATAGAAGA GCAAACACCA ATCCCAAAAT ATCCTCAGGA  
 201 ATCAGCGCAT GAGCCCCTTC TGGCTCCTGT GATGGATGAT GAGGCCCAGC  
 251 CCAAGGAAGA TCAGCCCCAG CACAAAGCCT CCAAC

20

**SEQ ID NO : 8 Cluster NROB\_c1\_-64 :**

25 *Homology with D76416 : Bovine mRNA for MHC class II DM alpha-chain (BoLA-DMA), complete cds. 2/1999*

1 TCTGCAGAAT TCGCCTCTGA GAAGCGTTAT CCGTTGGACC CAANNNNNNN  
 30 51 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNCAAGA GAAAAGATCA  
 101 GAGGGTGCTG GTGTGACGTT TAAGTAGGAA AAGGCCTGGA AGGTGAGTCC  
 151 ATCAACCGCG GAGACAAAAG TGGGCCCGGC TCCTTCCACA GGTGCCGACT  
 35 201 GATGCTGCCA GTTCACGGTC AGTGTGGGTC AACAC

35

**SEQ ID NO : 9 – EXB-NROB1371 :**

40 *Homology with NM\_006098 : Homo sapiens guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 (GNB2L1), mRNA. 4/2003*

1 AAGCGTTATT TAGATAANNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN  
 45 51 NNNNNNNNTAC ACCCAGAGTA TTCCATAGTT TGATGGTTTT GTCTCGGGAG  
 101 CCAGAGACAA TTTGCCGGTT GTCAGAAGAG AAGGCCACAC TCAGCACATC  
 151 TTTGGTATGG CCTACAAATC GGCGAGTGGT GGTGCCCCGT GTGAGATCCC  
 50 201 AAAGGCGAAG GGTTCATCC CAGGAGCCTG AGAGGGCAAA TTGGCCATCT  
 251 GAGGAAATGA CCACATCACT AACAAAGTGG GAGTGACCCC GAAGAGCACG  
 55 301 CTGTGGGATA CCATAGTTGG TTTCATCTCT GGTGAGCTTC CACATAATGA

55

351 TGGTCTTATC TCGAGAGGCG GACGATATCA TGTCCGGGAA CTGGGGAGTG

**SEQ ID NO :10 - NROB\_c579\_1 :**

5 *Homology with D87076 : Homo sapiens mRNA for KIAA0239 gene, partial cds. 1/2003*

1 GGGCCAGGGG ATGATATGAA TGTCACAGGA GGAGACACCT TCTGTCTTTG  
 51 TTTCAAAGAA AGTTGATGTG CCATTTGTTA ATATACAAGA GAAATATTGA  
 10 101 AAATATATTG AAAAGAGCAA TTTTAAATTA TTTTGGCTT ATGTTGCAAT  
 151 ATTTATTTTC TTGTATTAGG AAAGATTCCCT TTGTAGAAAA AAAATGTATT  
 15 201 TTTCATTAAC GCAAAAACCT ATTTCTCCTT TTTGTACATT GTCCATGTTC  
 251 GCTACCCTTA ACGAGCAATA GAATGTATGG CTGCCTCGGG GTGGCCGGTG  
 301 CCCGCGTGCC CTGCATGATT CTGTGGTCCC ACCACCATGT AGCTCCCAGT  
 20 351 CCCATCCTGT CCTGCTCACT CATGGGGGTT TCCAGAGCCT AGCCCCCT

**SEQ ID NO : 11 – Cluster NROA\_c125\_1 :**

25 *Homology with D45359 : Bos taurus mRNA for MHC class II DRB3, partial cds. 1/2003*

1 TGGATTGCAG GTGACTGAGA AAACCATCGA GGACAGTTTT TAAGGGGTCA  
 51 CTGAGCCAGG AGCAAATGAG ATCCTGAGAA AGTACTTCAT TGTGGAAGAG  
 30 101 TTAGCACTAA GCAGGAAACC TTTCCATGCT GTGAAGAAGC TGGGACAGAA  
 151 GGTTCCTTCCT TGAGTGTGAC CATCTTCACT TCAGCTCAGG AGCCCTGTTG  
 35 201 GCTGAAGTGT AGGGCGTCCT TTCTGATTCC TGAAGTATAT TTATTAGCCC  
 251 CACGGCAAGG AAGAACAGAC TCAGAACGAA GCCCCCGACT CCACTCATCA  
 301 TCTTGCTCTG AGCAGAGTCA GACCGTGCCC TCCATTCTAC TGTGATAGGG  
 40 351 CTTGTCTGGC TGGGGTGCTC CACTTGGC AA GTGTAGACCT GGCACCA

**SEQ ID NO :12 – Cluster NROB\_c0\_1 :**

45 *Homology with J01394 : Bos taurus mitochondrion, complete genome. 4/2001*

1 GCTGTCCAAA AAGGCCTCCG TTATGGAATA ATTCTTTTTTA TTATCTCCGA  
 51 AGTACTATTC TTTACCGGAT TTTTCTGAGC TTTCTACCAC TCAAGCCTCG  
 50 101 CCCCCACCCC TGGGGGAGGC GGCTGCTGAC CCCCACAGG CATTACCCA  
 151 CTAAACCCCC TAGAAGTCCC ACTGCTCAAC ACCTCTGTCC TATTGGCTTC  
 55 201 CGGAGTTTCT ATTACCTGAG CCCATCATAG TTTAATAGAA GGGGACCGAA  
 251 AGCATATATT ACAAGCCCTA TTTATCACCA TCACATTAGG AGTCTACTTC

301 ACACTACTAC AAGCCTCAGA ATACTATGAA GCACCTTTTA CTATCTCCGA  
 351 CGGAGTTTAC GGCTCAACTT TTTTGTAGC CACAGGCTTC CACGGCCTCC  
 401 ACGTCATCAT TGGGTCCAAC AAATAACGCT TCTCNNNNNN NNNNNNTGCA  
 451 GATA

**SEQ ID NO :13 - Cluster NROA\_c1045\_-1 :**

*Homology with BM363411 : BS320054B20G01 Subtracted Lewin Cattle Spleen Bos taurus cDNA clone BS320054B20G01 5', mRNA sequence. 1/2002*

1 GGGGAGGTAT CTGTCACCCA CGCAGAAATG CTTCTGACAG GCGGCANNNN  
 51 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN  
 101 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN CTTGGCCGAA  
 151 AAGCCTGAGG TAGTCTCGGC GGCAGAGCTT CCGGCCCCAGC TTGTAGTAGA  
 201 GGCGCCGGCC CACCTACCC

**SEQ ID NO : 14 – Cluster NROA\_c69\_1 :**

*Homology with NM\_003127 : Homo sapiens spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) (SPTAN1), mRNA. 4/2003*

1 GAAGCGTTAT TGGAGGAGGC TAACCTAGGA GCAGAGGATC AGTTCACGAA  
 51 GAGCGAGCGG GTGAACTCGA CGTAGTCAA AGCAGTGGGG AGTTCGCGGC  
 101 CCTTGCTGTC CACGTAGGGC TTCATGTGGG AGACGCAGTA GTCGGCTTGT  
 151 TCCCGAGTCA AGTTC TGGA CAGCTCCTCC TTGGTCACAT AAGGCTTCCC  
 201 TTCAGAGCTC ACGGCCCGGA AGGCGCTCTC AATCTCCTCG CTGGACTTGA  
 251 CGTTCTCCGT CTCACGGCTG ATCATAAAGG ACATGTACTC TTGCATGGAG  
 301 ACGTGGACGT CCCTGTTAGG ATCCACAGTG TCCAAGATGG ACTCGAACTC  
 351 AAGGTCGGGC TCCCCTTCCT CCAACATGGG CAGGTC

**SEQ ID NO : 15 – Cluster NROB\_c1\_12 :**

*Homology with BM431390: 1Duo15D10 Bos taurus Duodenum #1 library Bos taurus cDNA, mRNA sequence. 1/2002*

1 TCTGCAGAAT TCGCCTTTGA GAAGCGTTAT GGGGGCGAGG TGGTAAAGGA  
 51 AGCTTACAAA ACAACTATTC TTTAAAAAAA AACAAAAAAA CAAAAAACA  
 101 AAAAACAGCA AAAGCCAACC GGCCCAATTT TGTCTCCAGT TTTCAACGTG

151 TGCTTTCGAG CATTTTCAGCT GTTTCAGTT ACTTTAGTTT CCAGATATTA  
 201 GTCTTCCATT TAGTTTTAAG ACTAAATCTC ACTTTTGGAT AAACACAAGG  
 5 251 AAATATTTTA CTTGCTGAAA AATCACTTTA CTGGATAAAG TTACCTCTTA  
 301 TGCCTTTCAG TTTTCTAATC CAACTTTCTG ACAACCAGTG GTAATTAGGA  
 351 AGTTCTAAGT TGCAGTTGTC CCTATGACTT TGGGCTTCCC TGGTGGCTCA  
 10 401 GCTGGTCAAA AATCTGCCTG CAATGCGGGA GACCTCCACC CCATAACGCT  
 451 TCTCAAAGGC GAATTCTGCA GA

15

### SEQ ID NO: 16 - Cluster NROA\_c21\_1

*Homology with NM\_001416 : Homo sapiens eukaryotic translation initiation factor 4A, isoform 1 (EIF4A1) mRNA*

20

1 TTGAGAAGCG TTATTGTGGG GAGGTCATAG TTGATGACTA AGGAAACTTG  
 51 CTGTACATCA ATACCTCTGG CCAGTAGGTC AGTGGTAATC AATACTCTGC  
 25 101 TGGAGCCAGA GCGGAACTCC CTCATGATAA CGTCTCGTTC TTTTGGGTCC  
 151 ATGTCTCCGT GCATGGCAGA GACGGTGAAG TCTCGGGCAT GCATCTTCTC  
 201 GGTGAGCCAA TCCACCTTCC TTCGGGTGTT GATGAAGATG ACTGCCTGGG  
 30 251 TAATGGTCAG GGTTCATAC AAGTCGCACA GTGTGTCCAG CTTCCACTCC  
 301 TCTCGTTCCA CATTGATGTA GAACTGACGG ATACCCTCCA GCGTCAACTC  
 35 351 TTCCTTCTTG ACAAGAATTC TAATTGGGTC CCTCATGAAC TTCTTGGTCA  
 401 CCTCCCGCCC ATAACGCTTC TCAA

### 40 SEQ ID NO: 17 - Cluster NROA\_c12\_1

*Homology with NM\_15862: Homo sapiens actin related protein 2/3 complex, subunit 2, 43kDa 5ARPC2) transcript variant 1 mRNA*

45

1 CTTGTATGGT GTATGGAAGT TACTTGGTAA ATCCAGAATC AGGATACAAT  
 51 GTCTCCTTGC TATACGACCT TGAAAATCTG CCTGCATCCA AGGATTCCAT  
 101 CGTGCATCAA GCTGGCATGT TGAAACGAAA CTGTTTTGCC TCTGTCTTTG  
 50 151 AGAAATACTT CCAGTTCCAG GAATGAGGGC AAGGAATGAG AGTTAGGGGC  
 201 AGTTATCCAT TATAGGGATG ATGAGACCAT GTATGTTGAG TCAAAAAAAG  
 55 251 ACAGAGTCAC AGTAGTCTTC AGCACAGTGT TTAAGGATGA CGACGATGTG  
 301 GTCATTGGAA AGGTGTTTCA GCAGGAGTTC AAAGAAGGAC GCAGAGCCAG

351 CCACACAGCC CCACAGGTCC TCTTCAGCCA CAGGGAACCT CCCTTAGAGC  
 401 TGAAAGATAC CGATGCCGCC GTGGGTGACA ACATTGGCTA CATTACCTTC  
 451 GTGCTGTTCC CTGCCCCAAT ATAA

# **SEQ ID NO: 18 - Cluster NROB\_c160\_1**

*Homology with AF513721 : Bos grunniens myosin regulatory light chain mRNA*

1 CCAGTGTGTT GCCCCTGAGA AGCGTTATAT GCGGTAGTGA GGGGAATTTT  
 51 AATTACATCG AGTTCACACG CATCCTTAAG CATGGAGCGA AAGACAAAGA  
 101 CGACTAAAAA GAACTTCAAA CTCCAGCCAA ACGTTCCTTG TTGCCACTCT  
 151 GGGTATTTCT GAGACTTTCT CTTAGAGCCT GTTGCATGCC CTTAGCTTTA  
 201 CAGCTTCTGC CTTTCTTTTG TATTTATTCT CAGCCATTG GGGCACATGC  
 251 ATCTCTATAA TCAGACTGGA TATGGGACTT CTTGTCATTT TAAGAGTAGA  
 301 AAATAGGGTA ATTTAACTTA CCAGCTGCCG TCTACCCTCC CCCAAAGTCA  
 351 TAACGCTTCT CNNNNNNNCA GC

# **SEQ ID NO: 18 - Cluster NROB\_c1\_11**

*Homology with BM429753: 1Duo20H3.ab1 Bos Taurus duodenum #1 library Bos Taurus cDNA, mRNA sequence*

1 TCTGCAGAAT TCGCCTCTGA GAAGCGTTAT GCTGAGAGGG GGGACTGGAA  
 51 GCTTTGCTGA TATTTACTCA ATATTCACAA GGGGCCTGTG TAATGTGTTT  
 101 CACAGGTAGT GCTAATGCTC AATGCAAGAT GCATTTTCAGC CTTGTAATTC  
 151 CTTTCATTTG AGTCTTTGAA CCATGTCCAA TGAACCAGAG CTCAAACTAA  
 201 TCAATTTTGT AGTTGGTATT TGTTGGAGGG GAGGCAGGCA TGGACAGCAA  
 251 TAGGGAGTGA GCTGGAGAGA TGCTTTGCTA ACCATAGTAA ACTGTGAAAA  
 301 AATAGTTACT TCCTGAAAAA AGGAAATATT CTTGAGAGCA CCTTCATAAT  
 351 GTCATCAAAT ACATGGCTAA ATACATTGTC TTGAGCCTCC TTCCTAATGT  
 401 TTCTTAGTTT TTTTTCATAT TCCATCTTTA GTAATTCAAT TTCCCCCTCT  
 451 TTTTCCTGCA TAATCTTCTC GCATGCTTGA GCACACTCCT TTTCCACTTT  
 501 TTGGATTTC ATTTCTAATT GATCAATATA TCTTT

**SEQ ID NO: 20 - Cluster NROB\_c1\_15**

*Homology with NM\_003127 : Homo sapiens spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) (SPTAN1) mRNA*

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5      1  AGAAGCGTTA TCGGGTAGGC TAACCTAGGA GCAGAGGATC AGTTCACGAA
      51  GAGCGAGCGG GTGAACTCGA CGTAGTCAAA AGCAGTGGGG AGTTCGCGGC
10     101  CCTTGCTGTC CACGTAGGGC TTCATGTGGG AGACGCAGTA GTCGGCTTGT
      151  TCCCGAGTCA GGTTCCTGGTA CAGCTCCTCC TTGGTCACAT AAGGCTTCCC
      201  TTCAGAGCTC AGGGCCCCGA AGGCGCTCTC AATCTCCTCG CTGGACTTGA
15     251  CGTTCTCGGT CTCACGGCTG ATCATAAAGG CCATGTACTC TTGCAGGGAG
      301  ACGTGGCCGT CCCTGTTAGG ATCCACAGTG TCCAGGATGG CCTCGAACTC
20     351  AGGGTCGGGC TCCCCTTCCT CCACCATGGG CAGGTCATAG CCCAGGGAGC
      401  GCAGACAGGA TTTGAACTCC TGGTGGTTCA GCCGGCCAGA CTTGTCCTTG
      451  TCGAAGTGTT TGAACATCAT GCTGAATTCT TTGAGGGCCT TACAGATAAC
25     501  GCTTCTCAAA GCGGAATTCT GCAGATA

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**SEQ ID NO: 21 - Cluster NROB\_c1\_13**

*Homology with NM\_003295 : Homo sapiens tumor protein, translationally-controlled 1 (TPT1) mRNA*

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30     1  GAGAAGCGTT ATGGCGGGGA GGTACCGAAA GCACAGTAAT CACTGGTGTG
35     51  GATATTGTCA TGAGCCATCA CTTGCAGGAA ACCAGCTTCA CAAAAGAAGC
      101  CTACAAGAAG TACATCAAAG ATTACATGAA GTCAATCAAA GGGAAACTTG
40     151  AAGAACAGAG ACCAGAAAGA GTAAAACCTT TTATGACAGG GGCTGCAGAA
      201  CAAATCAAGC ACATCCTTGC TAATTTCAAA AACTATCAGT TCTTTATTGG
      251  TGAAAACATG AATCCAGATG GCATGGTTGC TCTGCTGGAC TACCGTGAGG
45     301  ATGGTGTAAC CCCATATATG ATTTTCTTTA AGGATGGTTT AGAGATGGAA
      351  AAATGTTAAC AAAGTTGGCA GTTACTTTGG ATCAATCACC TCCCCCCCAT
50     401  AACGCTTCTC TAATGCTTAT TCATGCAGAC AACACCAGGA CTTAGACAGA
      451  TGGGACTGAT GTCATCTCGA GCTCTTCATT TGTTTTGAAC GTTGATTTAT
55     501  TTGGAGCGGA GGCATTGTTT TTGAGAAAAC GTGTCATGTA GGTCCC

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**SEQ ID NO: 22 - Cluster.NROB\_c795\_1***Homology with X85799 : B. Taurus mRNA from clone TUS4 (unknown function)*

5           1   GGGGTAGGTC AAAAAAAGTC CAAACCAAAA ACAAACCTG CCAAAACCAA  
           51   CAAAAAACCT CCGAAATCTG AAGACAACCTG AATCAATCCC TGCAGTCTCA  
 10          101   CTTTCTCTTG GAAAGAAAAG TTGGATAATC CAACCCTTTT ACAAAGGATA  
           151   ATACAAGGGT GACAGTTCCA AGCTCTCAGG AACAGGGTCT TAGACGCTTT  
           201   TGGAGGTTGA GAGGCACAAA ACGGCAGTCT GAAAATTCTT TTCATCTCAC  
 15          251   GGCACTGATT GAGTTTAGAC TTGATTTCTC CTCCCCTACC TACCCGATAT  
           301   AACGCTTCTC

**20 SEQ ID NO: 23 - EXB-NROB0367-01***Homology with AJ318335: Ovis aries partial mRNA for high affinity IgE receptor gamma subunit (fcer1g gene)*

25           1   GAAGGGCAGG CGCGAAAGGC AGCTACAGCC AGTGAGAAAT CAGATGGCAT  
           51   TTACACGGGC CTGAGCACCC GGACCCAGGA GACTTATGAG ACCCTGAAGC  
           101   ATGAGAAACC ACCACAATAG CTTTAGAACA GATGCCCTTT GTCACCTCCT  
 30          151   T

**35 SEQ ID NO: 24 - EXB-NROB1653-01***Homology with NM\_004397 : Homo sapiens DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 6 (RNA helicase, 54 kDa) (DDX6)*

40           1   AATGTAAGGG GGATTAGAGT GATTATGGGA GCAGCTAAAG ATGAGAGGGG  
           51   CTCAGTTTTT CGCAACACTA AATCTAAAAA GTATTTTGGC TTCTTACTGT  
           101   AGAGAGCAGA CCTCTACAGG AATCCTACAT TGGAAAAGAG ACCCAGAGGT  
 45          151   CTGCGGTTCA CTGCTGCCAC ACTGTCTCAC ATAGTACCTT TGGAGTAGGC  
           201   CTGACAGAGA GCACAGGGAA GCTTCAGAAA CCTGTAATTC AAGATTTTAT  
           251   TTTTTTGAGA CGTCTCTCTT GATACTGTTC CCCGCCAGCC TTTTTTAAAA  
 50          301   GTTTGAGAAA CTTTTCAGC TCTGCAAAAG GGGACAAAGA ATTTGCCTTG  
           351   CAGTGTGGGG ATATGATTGA GCGGCAGTG

55

**SEQ ID NO: 25 - EXB-NROB1743-01**

*Homology with NM\_078480: Homo sapiens fuse-binding protein interacting repressor (SLAHBP1) transcript variant 1 mRNA*

5  
 1 GTGGTAGGTG ACTGAGGAGT GTGGCAAGTT TGGTGCTGTC AACCGTGTCA  
 51 TCATCTACCA AGAGAAGCAG GGCGAGGAAG AGGACGCGGA GATCATTGTC  
 10 101 AAGATTTTGT TGGAGTTTTC CGTAGCCTCT GAGACTCACA AGGCCATCCA  
 151 GGCCCTCAAT GGGCGCTGGT TTGCTGGCCG CAAGGTGGTG GCTGAAGTGT  
 201 ATGACCAGGA GCGTTTGTAT AACAGTGACC TCTCTGCATG ACCTCCCCCC  
 15 251 C

**SEQ ID NO: 26 - EXB-NROA1346-01**

*Homology with AB098926: Bos Taurus mRNA for similar to beta 2-microglobulin, partial cds*

20  
 1 GATCAGTACA GCTGCCGAGT GAAACACGTT ACTTTGGAAC AACCCCGGAT  
 25 51 AGTTAAGTGG GATCGAGACC TGTAAGCAGC ACCATCGAGA TTTGAACATT  
 101 CTTCAATTTGG TATAATATCT GGAAAATTCT GTTTCCTGCT TCTTTAATAC  
 30 151 TGATATGCTT TTATGCTTTA TGCGCATAAT CAGAAGTCAT ATTCATGTTA  
 201 CCATAAATAC CTTCTTTATA ATTTTACCGT GGGTGCTACA TGTCCATGTT  
 35 251 TGACCTTCCT AGGCAGGTGT CTGCAGTGGA GGTCCACAAA